

# **PIONEER**



STEREO TURNTABLE

PL-4-0 S
S/G

For descriptions and adjustment methods of the D.D.motor and the mechanism employed in this model, refer to the Supplementary Service Manual (ART-467) for the PL-200, PL-255, PL-300, and PL-400 models.

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## 1. SPECIFICATIONS

Motor and Turntable  Drive System
Rotational Characteristics
Build-up Time Within 120° rotation at 33-1/3rpm Speed Deviation
Tonearm
Type Static-balance type, S-shaped pipe arm Effective Arm Length
Subfunctions
Full auto mechanism, Anti-skating force control, Stylus pressure direct-readout counterweight, Cueing device, Strobe light, Free stop hinges
Semiconductors
ICs 3

Transistors       3         Diodes       6         Hall Elements       3
Miscellaneous
Power Requirements:
AC110-120/220-240V ~ (switchable), 50, 60Hz
Power Consumption
Dimensions
16-1/2(W) x 3-13/16(H) x 14-3/8(D)in.
Weight
PC-150 Specifications
Type Moving magnet type
Stylus
Output Voltage 3.5mV (1kHz, 50mm/s LAT)
Tracking Force 1.7g to 2.5g (proper 2.2g)
Frequency Response
Recommended Load
Accessories
EP Adapter 1
Operating Instructions (French and German
furnished on model for WE)
NOTE:
Specifications and design subject to possible modification withou
notice, due to improvements.

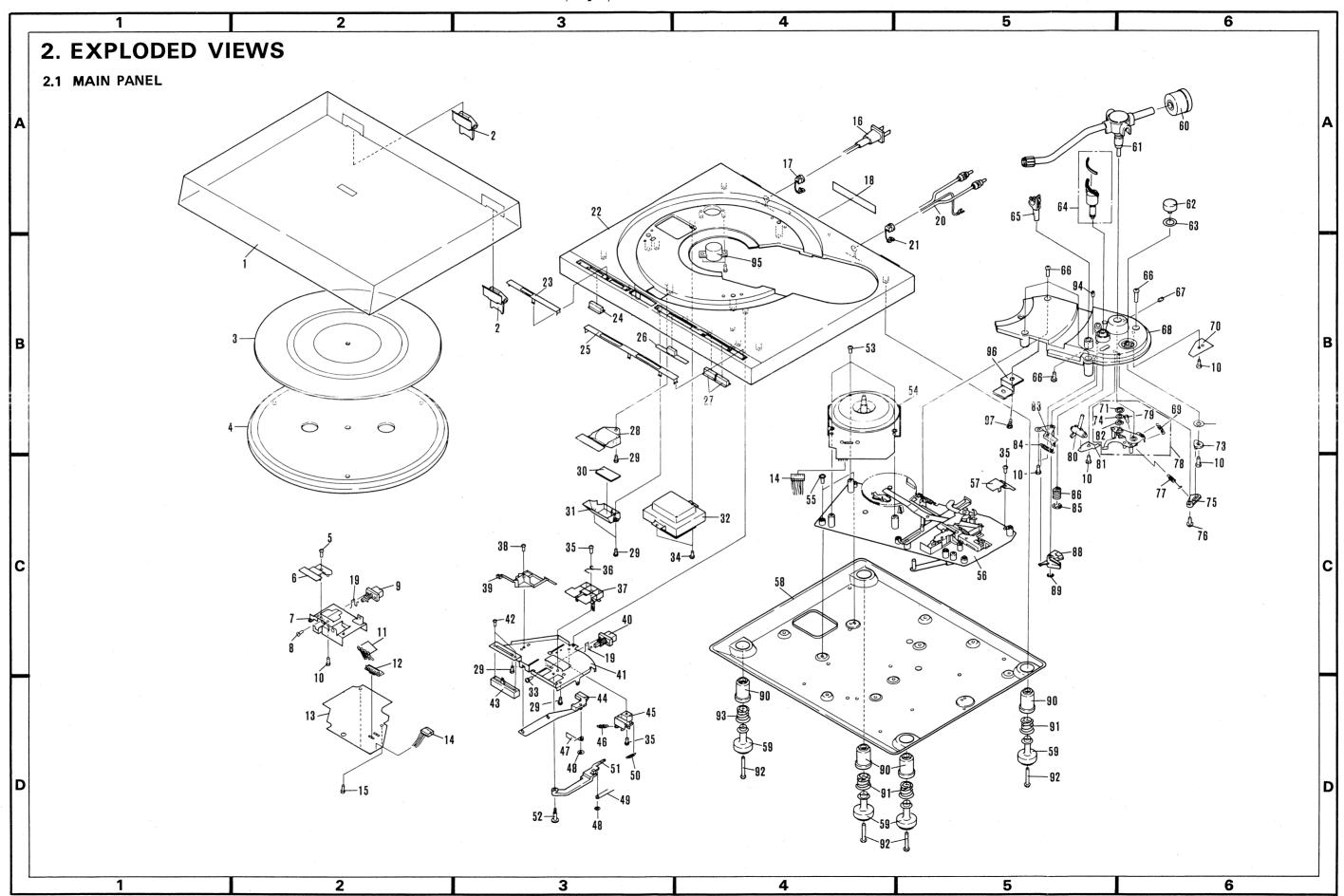
## LINE VOLTAGE SELECTOR SWITCH

The line voltage selector switch is located on the top surface of the cabinet of this turntable. Before your turntable is shipped from the factory, the switch is set to the power requirements of the turntable's destination, check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- 1. Disconnect the power cord.
- Provide yourself with a medium-sized screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the white mark by the arrow on the label.



S and S/G model

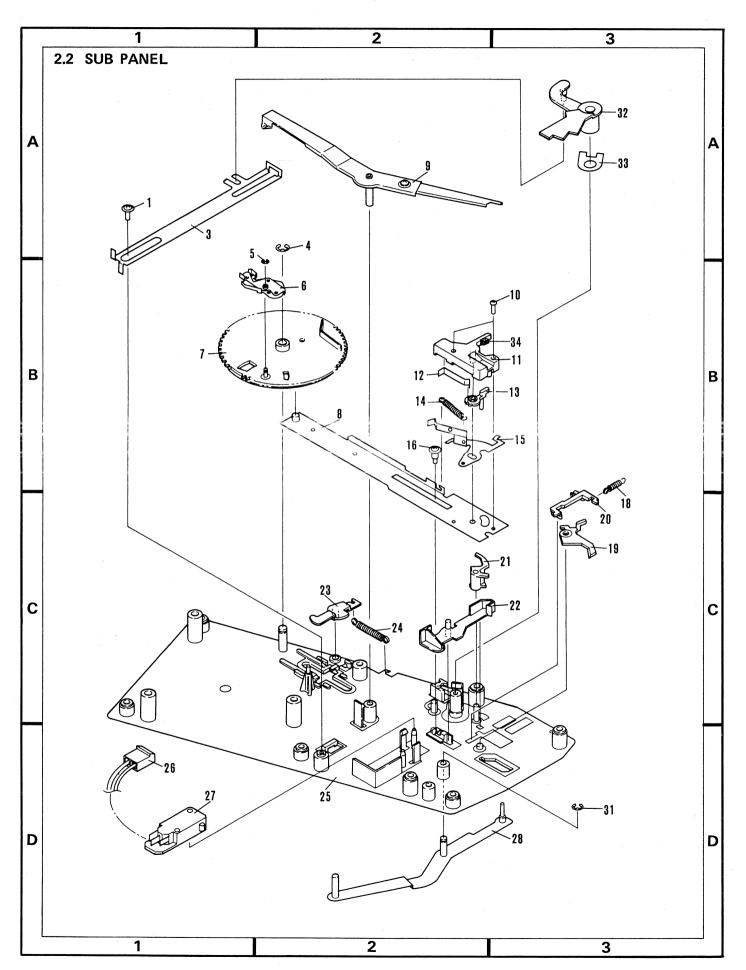


### Parts List of Main Panel

#### NOTE:

- Parts without part number cannot be supplied.
- The A mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

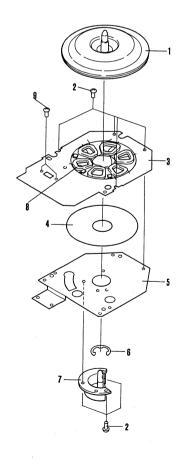
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Key No.	Part No.	Description	Key No.	Part No.	Description
1.	PNV-034	Dust cover	51.	PNX-069	Lever B
2.	PXB-155	Hinge assembly	52.	PBA-102	Shaft
	PEB-150	Rubber mat assembly	53.	PBA-108	Brazier deltite screw 3 x 25
3.		•	54.	PXM-075	Motor
4.	PNR-115	Turntable platter	55.	PBA-109	Deltite screw (in flat washer) 3 x 1
5.		Deltite screw 3 x 8	55.	154 105	
6.		Button guide C	56.		Sub panel assembly
7.		Angle	57.		Protector
8.		Semes A screw 3 x 5	58.		base
9.	PSG-020	Push switch	59.	PNX-062	Foot case
10.	730-020	Taptite P screw 3 x 8	60.	PXB-092	Weight assembly
			61.	PPD-591	Arm assembly
11.	BR5504S	LED	62.	PAC-045	AS knob
12.		LED base		PBF-005	AS washer
₾13.		Power supply assembly	63.		EV sheet assembly
14.	PDE-062	Connector assembly	64.	PXB-107	
15.		Taptite P screw 3 x 8	65.	PXB-094	Arm rest assembly
<u> </u>	PDG-004	AC power cord	66.	PBA-108	Brazier deltite screw 3 × 25
17.	REC-058	Strain relief	67.		Hexagon socket headless set screw
18.	1120 000	Label	٥٬.		4 × 8
	anii oek		25	DALV AES	Arm base
19.	PBH-261	Spring	68.	PNX-053	
20.	PDE-044	OUTPUT cord	69.	PBH-244	Spring
			70.		OUTPUT terminal
21.	PEC-056	Strain relief			
22.	PNX-122	Panel	71.		CS type washer CSTW-4SUS
23.	PAM-062	Name plate	72.	PBE-012	Washer
24.	PAC-043	Push button	73.	PNX-054	AS adjusting plate
25.	PAM-063	Name plate	74.		Flat washer 4
			75.	PNX-055	Lever
26.	PAC-046	Knob			
27.	PAC-043	Push button	76.		Washer faced taptite P screw 3 x 1
28.	PNX-082	Lens	77.	PBH-236	Spring
29.		Taptite P screw 3 x 8	78.	PXB-097	PU plate assembly
30.		Mirror	78. 79.	F X D-03.7	Pan head screw 4 x 8
				PXT-382	Lever
31.		Lens holder	80.	PX 1-382	Level
	DTT 007	Power transformer			<b>D</b>
<u>^1</u> 32.	PTT-087		81.	PBK-042	Plate spring A
33.		Semes A screw 3 x 5	82.	PNB-405	PU washer
34.		Taptite P screw 4 x 10	83.	PXT-385	Plate spring B
35.		Deltite screw 3 x 8	84.	PBH-238	EV cam spring
			85.		E type washer 7
36.	PBH-260	Spring			
37.	PNX-076	Button guide B	86.	PBH-237	Spring
38.			87.		
39.	PNX-071	Guide	88.	PNX-059	Cam
40.	PSG-018	Push switch	89.		E type washer 3
			90.	PEB-163	Rubber cushion
41.		Control base			
42.		Pan head screw 2.6 x 5	91.	PBH-241	Foot spring B
43.	PCS-017	Volume	92.	PBA-099	Screw
44.	PNX-072	Slider	93.	PBH-240	Foot spring A
45.	PNX-070	Lever	94.		Hexagon socket headless set screw
46.	PBH-245	Spring A			3 x 12
	PBH-248	Spring	۸ ــ	DOD 000	
47.	FDIT-240	Push nut $3\phi$	<u> </u>	PSB-006	Line voltage selector
40		PUSD DUT 300	06		11-1-1
48. 49.	PBH-247	Operating spring A	96. 97.		Holder Taptito B screw screw 3x12



## Parts List of Sub Panel

Key No.	Part No.	Description	Key No.	Part No.	Description
1.		Washer faced taptite P screw 3 x 10	21.	PNX-031	Switch plate
2.			22.	PNX-030	Switch lever
3.	PNC-103	Lever	23.	PNX-035	Plate
4.		E type washer 4	24.	PBH-225	Spring
5.		E type washer 1.5	25.		Sub panel unit
6.	PYY-058	Return signal unit	<b>∆</b> 26.	PDE-070	Connector assembly
7.	PNX-036	Cam	<b>∆</b> 27.	PSF-009	Microswitch
8.	PXT-356	Plate	28.	PXT-388	START lever unit
9.	PXT-390	Detector lever	29.		
10.		Pan head screw 2.6 x 10	30.		
			31.		E type washer 3
11.	PNX-033	EV cam	32.	PNX-034	Cam
12.	PBK-038	Plate spring	33.	PBK-039	Washer
13.	PNX-032	Cam	34.	PEC-064	EV cam cushion
14.	PBH-224	Spring			
15.	PXT-357	START unit			
16.	PBA-103	Screw			
17.					
18.	PBH-223	Spring			
19.	PNX-028	Plate			
20.	PNX-029	Selector			

## 2.3 D.D. MOTOR



Key No.	Part No.	Description	
1.		Rotor unit	
2.		Taptite screw 3x5	
3.		Control assembly	
4.		Insulator	
5.		Base unit	
6.		EW12	
7.		Shaft holder	
8.		Coil	
9.		Taptite screw 3x12	

## 3. SCHEMATIC DIAGRAM AND PARTS LIST

#### NOTE:

- When ordering resistors, first convert resistance values into code form as shown in the following examples.
- Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).  $560\Omega 56 \times 10^{1} 561 \dots RD4PS \text{ IGI} J$  $47k\Omega 47 \times 10^{3} 473 \dots RD4PS \text{ III} J$  $0.5\Omega 0R5 \dots RN2H \text{ OR5} K$  $1\Omega 010 \dots RS1P \text{ OIIO} K$
- The A mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

#### Parts List of D.D. motor (PXM-075)

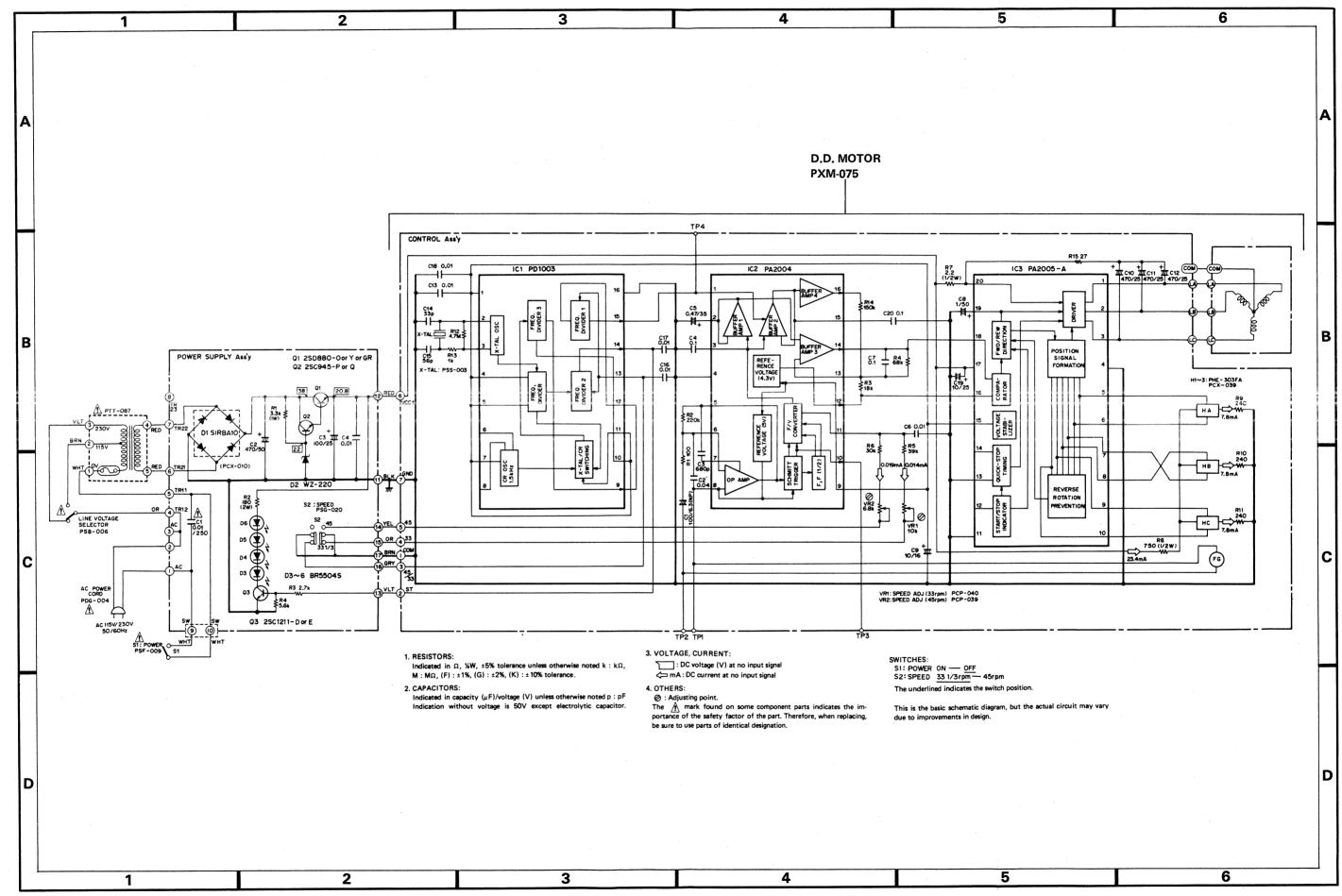
### Parts List of Power Supply Assembly

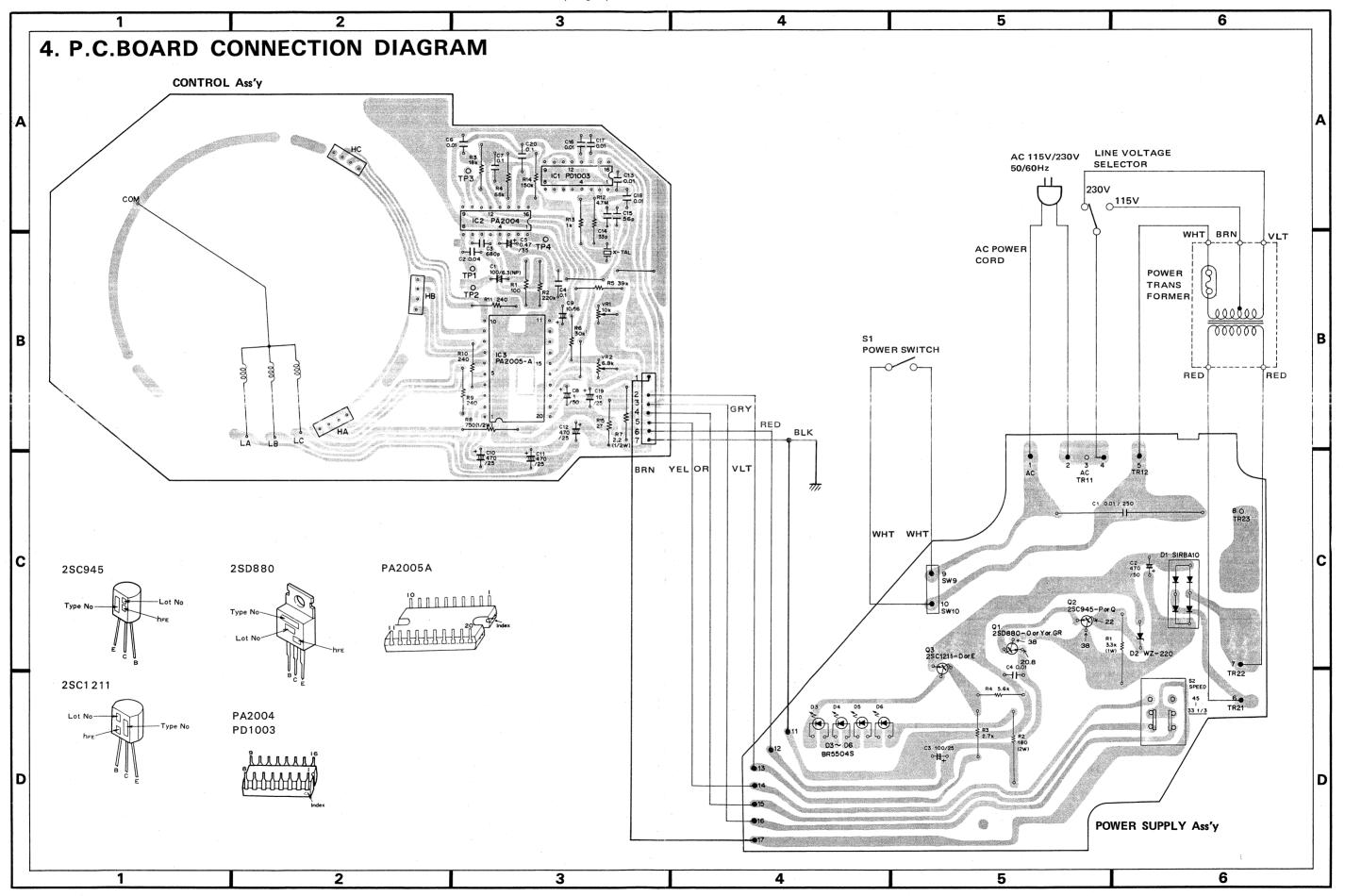
CAPACITORS		
Part No.	Symbol 8	Description
CEA 101M 6,3NP	C1	
CKDYF 403Z 50	C2	
CKDYB 681K 50	C3	
CQMA 104J 50	C4	
CSZA R47K 35	C5	
CKDYF 103Z 50	C6, C13,	C16-C18
CQMA 104K 50	C7, C20	
CEA 010P 50	C8	
CEA 100P 16	C9	
CEA 471P 25	C10-C12	
CCDCH 330J 50	C14	
CCDCH 560J 50	C15	
CEA 100P 25	C19	
Note:		ering resistors, convert the
RESISTORS		value into code form, and ite the part no. as before.
Part No.	Symbol &	Description
RD%PS □□□J	R1-R6, F	39—R15
RD½PS □□□J	R7, R8	
PCP-040	VR1	(10k-B)
PCP-039	VR2	(6.8k-B)

Part No.	Symbo	Symbol & Description	
2SD880	Q1		
2SC945	Q2		
2SC1211	Q3		
PCX-010	D1		
WZ-220	D2		
BR5504S	D3-D6	6	
CKDYF 103Z 50	C4		
CEA 471M 50L	C2		
CEA 101M 25L	C3		
<b>⚠</b> PCL-032	C1		
RD%PS 272J	R3		
RS2PF 181J	R2		
RS1PF 332J	R1		
RD%PS 562J	R4		
PSG-020	S2	Speed selector	
PDE-062		Connector assembly	
PNX-015		Insulator	
PBH-261		Push button spring	

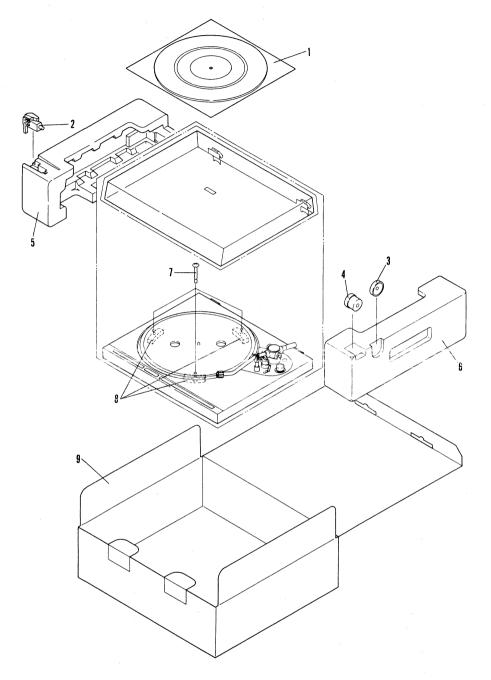
#### SEMICONDUCTORS AND OTHERS

Part No.	Symbol & I	Description	_
PD1003	IC1		
PA2004	IC2		
PA2005A	IC3		
PHE-303FA	H1-H3	Hall element	
PSS-003	Crystal		





## 5. PACKING



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Key No.	Part No.	Description
1.	PEB-150	Rubber mat assembly
2.	PXA-792	Headshell assembly
	PXT-967	Cartridge assembly
	PBA-905	Cartridge mounting screw
3.	N93-603	45 adaptor

Part No.	Description
PXB-092	Weight assembly
PHA-107	Side protector L
PHA-108	Side protector R
PBA-100	Screw
PNX-064	Turntable protector
PHG-393 (S)	Packing case
	Operating instructions
H56-603	Vinyl bag
	PXB-092 PHA-107 PHA-108 PBA-100 PNX-064 PHG-393 (S) PHG-368 (S/G) PRB-133